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ENDOPLUS ROOT CANAL SEALER®

User Manual

EndoPlus Root Canal Sealing Material is a two component paste-paste dual syringe root canal sealer based on epoxy resin, it offers the following features:
• Long term sealing properties
• Outstanding dimensional stability
• Excellent biocompatibility
• Self-adhesive properties
• Very high radioopacity

Composition:
Base
• Epoxy oligomer resin
• Ethylene glycol salicylate
• Calcium phosphate
• Bismuth subcarbonate
• Zirconium oxide

Catalyst
• Poly aminobenzoate
• Triethanolamine
• Calcium phosphate
• Bismuth subcarbonate
• Zirconium oxide
• Calcium oxide

Characteristics:
When using an EndoPlus in combination with gutta-percha points, this material shows the following properties:
1. Easy to mix by paste-paste
2. Hermetic sealing ability
3. Nonstaining to the teeth
4. Insoluble in tissue fluids
5. Excellent biocompatibility
6. Good radiopacity
7. Working time of 35 minutes at 23°C (73°F) and setting time of 45 minutes at 37°C (99°F)

Indications for use:
Permanent obturation of root canals of teeth of the secondary dentition in combination with root canal points

Contraindications:
Hypersensitivity against epoxy resins or other components of the root canal filling material.

Mixing EndoPlus:
The syringe deposits both Base and Catalyst paste automatically to a ratio of 2:1. Dispose of required volume on to a mixing pad and using the provided spatula mix the paste for 15-20 seconds or until a creamy homogeneous consistency is obtained.

Application of EndoPlus:
As a standard technique, EndoPlus is used together with gutta-percha, silver or titanium root canal points. When filling technique is used where most of the canal is obturated by endodontic point material, apply only a light coating of EndoPlus to the canal walls. For Master-Point-Technique, select a gutta-percha point (or alternatively a paper point, silver, titanium root canal points or a reamer) with the size of the last instrument used for apical preparation. Apply EndoPlus to the canal walls with the help of the obturation point or reamer. Alternatively a lentulo spiral can be used. Avoid the formation of air bubbles in the material and overfilling of the canal by advancing the lentulo spiral slowly to the apex running at low speeds. Withdraw Lentulo very slowly still running at low speed. Dip disinfected and dry points into EndoPlus and insert them into the canal with a slow pumping motion.
EndoPlus is the endodontic product for every dental practice. It can be used for all established and more recent root canal sealing techniques. It is also suitable for the single point method, thermoplasticize method and all condensation techniques.

Removal of Root Canal Filling:
If EndoPlus is used in combination with gutta-percha points, the root canal filling can be removed using conventional techniques for the removal of gutta-percha.

Warnings:
• EndoPlus contains epoxy resins (paste A) and amines (paste B) which may cause sensitization in susceptible people. Do not use EndoPlus in people allergic to epoxy resins or amines or any other components of this product.
• Avoid eye contact to prevent irritation and possible corneal damage. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
• Avoid skin contact to prevent irritation and possible allergic response. In case of contact, rashes may be seen on the skin. If contact with skin occurs, immediately remove material with cotton and wash thoroughly with water and soap. In case of skin sensitization or rash, discontinue use and seek medical attention.
• Avoid contact with oral soft tissues/mucosa to prevent inflammation. If accidental contact occurs, immediately remove material with cotton, flush mucosa with plenty of water and expectorate water. If inflammation of mucosa persists, seek medical attention.
• Do not swallow or take internally. If accidental swallowing occurs, drink lots of water. If nausea or illness develops, seek medical attention.
• Avoid overfilling. When overfilling occurs, the material is usually tolerated very well by the surrounding tissue. In cases where larger amounts of material are pressed into the mandibular canal, immediately remove the material.

Side effects:
Not known, in rare cases contact allergies are descried.

Storage conditions:
This product should be used at room temperature. Inadequate storage conditions could shorten shelf life and product performance. We recommend to store at temperatures between +18°C (64°F) and +24°C (75°F) and keep syringe cap tightly closed. Store protected from UV Light.

Components:
• 13,5 g dual syringe EndoPlus (Base 9 g, Catalyst 4,5 g)
• Mixing pad
• Spatula
• Directions for using EndoPlus

Symbols:
Use By
Batch Code
CE-Mark and identification number of notified body. Product conforms to essential requirements of the Medical Device Directive 93/42/EEC
Attention. See instruction for use
Manufacturer

CE 01984



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